

Pour Amstrad CPC
avec lecteur
de disquettes

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5 REM *****
6 REM ECRAN DE TRAVAIL
7 REM *****
10 CLEAR:CLS:DEFINT A-Z:MODE 2
15 MODE 1:GOSUB 30000:MODE 2
20 WINDOW#1,1,80,1,3
30 WINDOW#2,1,39,6,14
40 WINDOW#3,1,39,16,24
50 WINDOW#4,41,80,6,14
60 WINDOW#5,41,80,16,24:WINDOW#6,1,80,25,25
70 DIM PHRASE$(100)
80 BORDER 1:PAPER #1,1:PEN #1,0:CLS#1:PRINT#1,"MAJ
USCULES"
90 LOCATE#1,2,2:PRINT#1,CHR$(24)+"LOGICA"+CHR$(24)
100 LOCATE#1,12,2:PRINT#1,CHR$(24)+"E"+CHR$(24)+"N
V "+CHR$(24)+"O"+CHR$(24)+"BJ "+CHR$(24)+"V"+CHR$(
24)+"AL "+CHR$(24)+"L"+CHR$(24)+"IST "+CHR$(24)
)+"D"+CHR$(24)+"IT"
110 LOCATE#1,52,2:PRINT#1,"ENVIRONNEMENT: ";CHR$(24
)
120 FLECHE$=CHR$(1)+CHR$(11)
130 LOCATE#1,12,3:PRINT#1,FLECHE$
140 LOCATE 18,5:PRINT"OBJET":LOCATE 18,15:PRINT"LI
STING":LOCATE 58,5:PRINT"VALEURS":LOCATE 58,15:PRI
NT"REALISATION
150 PAPER#2,0:PEN#2,1
160 PAPER#3,1:PEN#3,0
170 PAPER#4,1:PEN#4,0:PAPER#5,0:PEN#5,1:PAPER#6,1:
PEN#6,0
180 FOR I=2 TO 6: CLS#I : NEXT I
190 XF=12
195 REM *****
196 REM CHOIX OPERATION
197 REM *****
200 A$=INKEY$:IF A$="" THEN 200
210 IF A$="E" THEN AXF=XF:XF=12:GOSUB 280:AIG=1:GO
TO 300
220 IF A$="O" THEN AXF=XF:XF=16:GOSUB 280:AIG=2:GO
TO 300
230 IF A$="V" THEN AXF=XF:XF=20:GOSUB 280:AIG=3:GO
TO 300
240 IF A$=" " THEN PRINT#6,"OPERATION TERMINEE MER
CI":END
245 IF A$="D" THEN AXF=XF:XF=30:GOSUB 280:AIG=5:GO
TO 300
250 IF A$="L" THEN AXF=XF:XF=24:GOSUB 280:AIG=4:GO
TO 300
260 GOTO 200
270 '
280 LOCATE AXF,3:PRINT CHR$(32):LOCATE XF,3:PRINT
FLECHE$:RETURN
290 '
300 ON AIG GOTO 1000,2000,4000,1500,3000
1000 REM ENVIRONNEMENT *****
*****
1020 'LOCATE 7,5:PRINT"OBJET":LOCATE 27,5:PRINT"LI
STING":LOCATE 47,5:PRINT"VALEURS":LOCATE 65,5:PRIN
T"REALISATION
1030 LOCATE#1,66,2:PRINT#1,STRING$(15,32):LOCATE#1
,66,2:INPUT#1,ENVE$: OPENOUT ENVE$ : GOTO 200
1500 REM LIST *****
1510 IF NB<1 THEN 200
1520 FOR I=1 TO NB : PRINT#3,PHRASE$(I):NEXT:GOTO
200
2000 REM OBJET *****
*****
2010 CLS#2:INPUT#2,"Nb de lignes MAX 100";NB
2020 IF NB>100 THEN PRINT#6,"VAL TROP GRANDE":FOR
E=1 TO 3000:NEXT:CLS#6:GOTO 2010
2030 ERASE PHRASE$ :DIM PHRASE$(NB)
2040 FOR U=1 TO NB:INPUT#2,PHRASE$(U):NEXT:GOTO 20
0
3000 REM EDITEUR *****
3010 CLS#6:INPUT#6,"LIGNE A EDITER (1 A n...)";LIG
NE
3020 PRINT#6,PHRASE$(LIGNE):INPUT#2,"NOUVELLE LIGN
E":PHRASE$(LIGNE)
3030 GOTO 200
4000 REM VALEURS *****
4010 FOR V=1 TO NB
4020 F$=MID$(PHRASE$(V),LEN(PHRASE$(V)),1)
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4030 IF F$="&" THEN 4040 ELSE ER=1:GOSUB 5000:GOTO
200
4040 KP=0
4050 FOR I=1 TO LEN(PHASE$(V))
4060 M$=MID$(PHASE$(V),I,1)
4070 IF M$=" " THEN 4090 ELSE KP=KP+1
4080 NEXT I
4090 NUM$=MID$(PHASE$(V),1,KP)
4100 CPT=0
4110 FOR U= LEN(PHASE$(V))-2 TO 1 STEP -1
4120 TST$=MID$(PHASE$(V),U,1)
4130 IF TST$=" " THEN 4137 ELSE CPT=CPT+1
4135 NEXT U
4137 ORD$=MID$(PHASE$(V),U+1,CPT)
4140 IF ORD$="%" THEN M=1:GOTO 4530
4150 IF ORD$="DONNEES" THEN M=2:GOTO 4530
4160 IF ORD$="LIRE_DON" THEN M=3:GOTO 4530
4170 IF ORD$="AFFICHER_EN" THEN M=4:GOTO 4530
4180 IF ORD$="ECRIRE" THEN M=5:GOTO 4530
4190 IF ORD$="LIRE" THEN M=6:GOTO 4530
4200 IF ORD$="MOINS" THEN M=7:GOTO 4530
4210 IF ORD$="PLUS" THEN M=8:GOTO 4530
4220 IF ORD$="DIV" THEN M=9:GOTO 4530
4230 IF ORD$="MOD" THEN M=10:GOTO 4530
4240 IF ORD$="MUL" THEN M=11:GOTO 4530
4250 IF ORD$="FENETRE" THEN M=29:GOTO 4530
4260 '
4270 '
4280 '
4290 '
4300 IF ORD$="AFFEC" THEN M=12:GOTO 4530
4310 IF ORD$="TABLEAU" THEN M=13:GOTO 4530
4320 '
4330 '
4340 '
4350 IF ORD$="EFF_ECRAN" THEN M=14:GOTO 4530
4360 IF ORD$="NBAL" THEN M=15:GOTO 4530
4370 IF ORD$="POUR" THEN M=16:GOTO 4530
4380 IF ORD$="SUIVANT" THEN M=17:GOTO 4530
4390 IF ORD$="SI" THEN M=18:GOTO 4530
4400 IF ORD$="ALLER" THEN M=19:GOTO 4530
4410 IF ORD$="FPGM" THEN M=20:GOTO 4530
4420 IF ORD$="AFF_POINT" THEN M=21:GOTO 4530
4430 IF ORD$="T_LIGNE" THEN M=22:GOTO 4530
4440 IF ORD$="DEPLACE" THEN M=23:GOTO 4530
4450 IF ORD$="CLAVIER?" THEN M=24:GOTO 4530
4460 IF ORD$="A_SYMBOLE" THEN M=25:GOTO 4530
4470 IF ORD$="SYMBOLE" THEN M=26:GOTO 4530
4480 IF ORD$="TANT_QUE" THEN M=27:GOTO 4530
4490 IF ORD$="ENCORE" THEN M=28:GOTO 4530
4500 '

4510 '
4520 ER=2:GOSUB 5000:GOTO 200
4530 PRINT #4,PHASE$(V):ON M GOSUB 9000,10000,105
00,11000,11500,12000,12500,13000,13500,14000,14500
,15000,15500,16000,16500,17000,17500,18000,18500,1
9000,19500,20000,20500,21000,21500,22000,22500,230
00,23500
4540 NEXT V:GOTO 200
5000 REM ERREURS *****
5010 ON ER GOSUB 5100,5200
5020 RETURN
5100.CLS#6:PRINT#6,"ERREUR NO 1----> UN & EST ATTE
NDU":FOR E=1 TO 3000:NEXT:CLS#6:CLS#2:PRINT#2,PHRA
SE$(V):RETURN
5200.CLS#6:PRINT#6,"ERREUR NO 2----> PARDON? ERREU
R DE SYNTAXE OU ORDRE INCONNU":FOR E=1 TO 3000:NE
XT:CLS#6:CLS#2:PRINT#2,PHASE$(V):RETURN
9000 REM COMMENTAIRES *****
9010 PH$="REM ":INPUT#4,"VOTRE COMMENTAIRE SVP";CO
M$:PH$=PH$+COM$
9020 GOTO 10030
9999 REM DONNEES *****
10000 PH$="DATA "
10010 LINE INPUT#4,"VOS DONNEES SVP EX:6,3,maison
etc...";DON$
10020 PH$=PH$+DON$
10030 PRINT#5,NUM$+CHR$(32)+PH$:PRINT#9,num$,,PH$:
RETURN
10500 REM LIRE_DON *****
10510 PH$="READ ":INPUT#4,"VAR SIMPLE (O/N)";REP$
10520 '
10530 IF REP$="O" THEN 10610
10560 INPUT#4,"VAR TAB (O/N)";REP$
10570 IF REP$="O" THEN 10670
10600 PRINT#4,"JE NE PEUX CONTINUER,IL ME FAUT UNE
VARIABLE":GOTO 10510

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10610 INPUT#4,"VAR NUM (O/N)";REP$
10620 IF REP$="O" THEN 10650
10630 INPUT#4,"NOM VAR + $";VAR$
10640 PH$=PH$+VAR$:GOTO 10030
10650 INPUT#4,"NOM VAR NUM";VAR$
10660 PH$=PH$+VAR$:GOTO 10030
10670 ' VAR TAB
10680 INPUT#4,"VAR NUM (O/N)";REP$
10690 IF REP$="O" THEN 10780
10700 INPUT#4,"NOM VAR ALPHA +$";VAR$
10710 INPUT#4,"NOM INDICE";IND$
10715 INPUT#4,"INDICE CONST OU VAR (C/V)";REP$
10720 IF REP$="C" THEN 10790
10730 INPUT#4,"NOM DE L'INDICE";IND$
10740 SUITE$=VAR$+" ( "+IND$+" ) "
10750 PH$=PH$+SUITE$:GOTO 10030
10760 '
10770 '
10780 INPUT#4,"NOM VAR NUM";VAR$:GOTO 10730
10790 INPUT#4,"VAL DE LA CONST";CS
10800 IND$=STR$(CS):GOTO 10740
11000 REM AFFICHER_EN *****
11010 PH$="LOCATE ":INPUT#4,"VAR OU CONST (V/C)";REP$
11020 IF REP$="V" THEN 11050
11030 IF REP$="C" THEN 11070
11040 GOTO 11010
11050 INPUT#4,"NOM DE LA 1ERE VARIABLE";V1$
11060 INPUT#4,"NOM DE LA 2EME VARIABLE";V2$:DO$=CHR$(32)+V1$+" , "+V2$:PH$=PH$+DO$:GOTO 10030

11070 INPUT#4,"ENTRER LA 1ERE VALEUR ";A1:INPUT#4,"ENTRER LA 2EME VALEUR";A2:V1$=STR$(A1):V2$=STR$(A2):DO$=CHR$(32)+V1$+" , "+V2$:PH$=PH$+DO$:GOTO 10030

11499 REM ECRIRE *****
11500 INPUT#4,"Y-A-T-IL UN CANAL ? (O/N)";REP$
11505 IF REP$="O" THEN 11515
11510 PH$="PRINT ":GOTO 11520
11515 INPUT#4,"NO DU CANAL";NC:N$=STR$(NC):PH$="PRINT#"+N$+" , "
11520 INPUT#4,"CHAINE DE CAR, CODE ASCII, VAR (C/A/V)";REP$
11530 IF REP$="C" THEN 11570
11540 IF REP$="A" THEN 11620
11550 IF REP$="V" THEN 11640
11560 PRINT#4,"TAPER UN ORDRE RECONNU SVP":GOTO 11520
11570 INPUT#4,"VOTRE CHAINE SVP";TXT$:PH$=PH$+CHR$(34)+TXT$+CHR$(34)
11580 INPUT#4,"Y-A-T-IL UNE VARIABLE APRES LE TEXTE (O/N)";REP$
11590 IF REP$="O" THEN 11600 ELSE GOTO 10030
11595 PRINT#4,"SI LA VARIABLE EST ALPHANUMERIQUE FAITE LA SUIVRE DU SIGNE $"
11600 INPUT#4,"NOM DE LA VARIABLE SIMPLE OU TABLEAU";VAR$
11610 PH$=PH$+CHR$(32)+" ; "+CHR$(32)+VAR$:GOTO 10030

11620 INPUT#4,"NO DU CODE ASCII";NUM: N$=STR$(NUM)
11630 PH$=PH$+CHR$(34)+N$+CHR$(34):GOTO 10030
11640 INPUT#4,"NOM DE LA VARIABLE SIMPLE OU TABLEAU";VAR$
11650 PH$=PH$+CHR$(32)+VAR$:GOTO 10030
12000 REM LIRE *****
12005 INPUT#4,"Y-A-T-IL UN CANAL? (O/N)";REP$:IF REP$="O" THEN 12015
12010 PH$="INPUT ":GOTO 12020
12015 INPUT#4,"NO DU CANAL";NC :N$=STR$(NC):PH$="INPUT#"+N$+CHR$(44)
12020 INPUT#4,"UN TEXTE, UNE VARIABLE SIMPLE, UNE VARIABLE INDICEE ?(T/S/I)";REP$
12030 IF REP$="T" THEN 12070
12040 IF REP$="S" THEN 12110
12050 IF REP$="I" THEN 12130
12060 PRINT#4,"VOTRE ORDRE EST INCOMPRIS!!!!":GOTO 12020
12070 INPUT#4,"ENTRER VOTRE CHAINE SVP";CH$
12080 PH$=PH$+CHR$(34)+CH$+CHR$(34)
12090 PRINT#4,"SI LA VARIABLE EST ALPHANUMERIQUE --> $"
12095 INPUT#4,"ENTRER LA VARIABLE (SIMPLE OU INDICEE)";VAR$
12100 PH$=PH$+CHR$(59)+VAR$:GOTO 10030
12110 PRINT#4,"SI LA VARIABLE EST ALPHA --> $":INPUT#4,"NOM DE LA VARIABLE";VAR$
12120 PH$=PH$+VAR$:GOTO 10030
12130 PRINT#4,"SI LA VARIABLE EST ALPHA. --> EX: A

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$(I) OU A$(32)":INPUT#4,"NOM DE LA VARIABLE";VAR$
12140 INPUT#4,"INDICE VARIANT OU FIXE (V/F)";REP$
12150 IF REP$="V" THEN 12180
12160 IF REP$="F" THEN 12200
12170 PRINT#4,"GARDER LA MAITRISE DE VOTRE TRAVAIL
!!!":GOTO 12140
12180 INPUT#4,"NOM DE L'INDICE ";IND$
12190 PH$=PH$+VAR$+"("+IND$+)"": GOTO 10030
12200 INPUT#4,"VALEUR DE L'INDICE";I:IND$=STR$(I):

GOTO 12190
12499 REM OPERATEURS *****
12500 CLS#4:PRINT#4,"OPERATION MOINS PLUS MUL DIV
MOD"
12510 PRINT#4,"TYPES : X=X+1,Y=5+U,A=2MOD4 etc..."
12520 INPUT#4,"ENTRER VOTRE TYPE D'OPERATION";TYP$
:PH$=TYP$:GOTO 10030
13000 GOTO 12500
13500 GOTO 12500
14000 GOTO 12500
14500 GOTO 12500
15000 REM AFFEC *****
15010 INPUT#4,"AFFECTATION D'UNE VAR. A UNE VAR. O
U D'UNE CONST. A UNE VAR. (V/C)";REP$
15020 IF REP$="V" THEN 15050
15030 IF REP$="C" THEN 15070
15040 PRINT#4,"ERREUR DE CHOIX":GOTO 15010
15050 INPUT#4,"NOM DE LA 1ERE VAR. (TS TYPES)";V1$:
INPUT#4,"NOM DE LA 2EME VAR. (TS TYPES)";V2$
15060 PH$=V1$+CHR$(32)+"="+CHR$(32)+V2$:GOTO 10030
15070 INPUT#4,"NOM DE LA VAR. (TS TYPES)";V1$
15080 INPUT#4,"VALEUR DE LA CONST";V:V2$=STR$(V):G
OTO 15060
15500 REM TABLEAU *****
15510 PH$="DIM "
15520 INPUT#4,"NOM DE LA VARIABLE (TS TYPES) ";VAR
$:LINE INPUT#4,"DIMENSION DU TABLEAU";IND$
15530 PH$=PH$+VAR$+"("+IND$+)"":GOTO 10030
16000 REM EFF_ECRAN *****
16010 INPUT#4,"Y-A-T-IL UN CANAL (O/N)";REP$
16020 IF REP$="O" THEN 16050
16030 IF REP$="N" THEN 16080
16040 PRINT#4,"ERREUR":GOTO 16010
16050 PH$="CLS#":INPUT#4,"NO DU CANAL";NUM
16060 W$=STR$(NUM)
16070 PH$=PH$+W$:GOTO 10030
16080 PH$="CLS":GOTO 10030
16500 REM NBAL *****
16510 PH$="RND("
16520 INPUT#4,"ENTRER LA SUITE SOUS FORME DE 10)+1
PAR EX. ";SU$:PH$=PH$+SU$
16530 PRINT#4,"ENTRER LA VARIABLE D'AFFECTATION"
16540 PRINT#4,"SOUS LA FORME A= OU TAB(1)= OU V(X)
="
16550 INPUT#4,"VOTRE ORDRE SVP";O$
16560 IN$=PH$:PH$=O$:PH$=PH$+IN$:GOTO 10030
17000 REM POUR *****
17010 PH$="FOR ":INPUT#4,"ENTRER LE NOM DE LA VARI
ABLE";VAR$:INPUT#4,"LIMITE INF DE LA BOUCLE";LINF:
L$=STR$(LINF):INPUT#4,"LIMITE SUP DE LA BOUCLE";LS
UP:LS$=STR$(LSUP):PH$=PH$+VAR$+" = "+L$+" TO "+LS$
17020 INPUT#4,"Y-A-T-IL UN PAS ? (O/N)";REP$
17030 IF REP$="O" THEN 17060
17040 IF REP$="N" THEN 17080
17050 PRINT#4,"ORDRE INCOMPRIS":GOTO 17020
17060 E$=" STEP ":INPUT#4,"VALEUR DU PAS?";N:VA$=S
TR$(N)
17070 PH$=PH$+E$+VA$
17080 GOTO 10030
17500 REM SUIVANT *****
17510 PH$="NEXT ":PRINT#4,"ENTRER LE NOM DE LA VAR
IABLE FIN DE BOUCLE":PRINT#4,"ELLE DOIT ETRE IDENT
IQUE A CELLE DU DEBUT DE LA BOUCLE"
17520 PRINT#4,"DANS LA CAS D'UNE BOUCLE SIMPLE VAR
IABLE FACULTATIVE --> °SPACES"
17530 INPUT#4,"NOM DE LA VARIABLE SVP";VAR$:PH$=PH
$+VAR$:GOTO 10030
17999 REM SI *****
18000 ph$="IF ":RR$=PH$
18010 INPUT #4,"nom variable(TT type)";var$:ph$=ph
$+var$+CHR$(32)
18020 PRINT#4,"LES CONDITIONS SONT >:<:>=:<=:<:"
;:PRINT#4,CHR$(24)+"ATTENTION LOGIC N'ACCEPTE PAS
LES CONDITIONS COMPOSEES"+CHR$(24)
18030 INPUT#4,"CONDITION SVP";COND$:PH$=PH$+COND$+
CHR$(32)
18040 INPUT #4,"VARIABLE OU CONSTANTE (V/C)?";REP$

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18050 IF REP$="V" THEN 18080
18060 IF REP$="C" THEN 18090
18070 GOTO 18040
18080 INPUT #4,"NOM VAR TT TYPE";VAR$:PH$=PH$+VAR$
+CHR$(32):GOTO 18100
18090 INPUT #4,"VALEUR DE LA CONSTANTE ?";CO:C$=ST
R$(CO):PH$=PH$+C$+CHR$(32)
18100 IF RR$="WHILE " THEN GOTO 10030 ELSE INPUT #
4,"PUIS INSTRUCTION OU BRANCHEMENT (I/B) ?";REP$
18110 IF rep$="I" THEN 18140
18120 IF REP$="B" THEN 18250
18130 GOTO 18100
18140 I$="THEN ":PH$=PH$+I$
18150 PRINT #4,"LES INSTRUCTIONS SUIVANTES SONT PO
SSIBLES"
18160 PRINT #4,"PRINT+CHAINE ENTRE GUILLEMETS"
18170 PRINT #4,"GOTO NO LIGNE"
18190 PRINT #4,"LOCATE X,Y: ? QQCHOSE"
18200 PRINT #4,"END (arrete le pgm basic)"
18210 PRINT #4,"CLS (efface l'ecran en basic)"
18220 INPUT #4,"ENTREZ VOTRE INSTRUCTION";SU$
18230 PH$=PH$+SU$
18240 GOTO 10030
18250 B$="GOTO ":INPUT #4,"NO DE LIGNE";N:NU$= STR
$(N):PH$=PH$+B$+NU$:GOTO 10030
18500 REM ALLER *****
18510 PH$="GOTO ":INPUT #4,"ENTRER LE NO DE LIGNE
SVP ?";N:NU$=STR$(N):PH$=PH$+NU$ : GOTO 10030
19000 REM FIN DE PROGRAMME *****
19010 PH$="END"
19020 CLOSEOUT : GOTO 10030
19500 REM AFF_POINT *****
19510 PH$="PSET "
19520 INPUT #4,"VARIABLES OU CONSTANTES (V/C) ?";RE
P$
19530 IF REP$="V" THEN 19560
19540 IF REP$="C" THEN 19570
19550 PRINT #4,"ORDRE INCOMPRIS" : GOTO 19520
19560 INPUT #4,"NOM 1ere VARIABLE";V1$:INPUT #4,"N
OM 2eme VARIABLE";V2$:PH$=PH$+V1$+",""+V2$: GOTO 10
030
19570 INPUT #4,"VALEUR DE LA 1ere CONSTANTE";C1:I
NPUT #4,"VALEUR DE LA 2eme CONSTANTE"; C2 :C$=STR$
(C1):CC$=STR$(C2) : PH$=PH$+C$+",""+CC$: GOTO 1003
0
20000 REM T_LIGNE *****
20010 PH$="DRAW " : GOTO 19520
20500 REM DEPLACE *****
20510 PH$="MOVE " : GOTO 19520
21000 REM CLAVIER *****
21010 PH$="INKEY$ "
21020 INPUT #4,"VARIABLE ALPHA OU NUMERIQUE (A/N)"
;REP$
21030 IF REP$="A" THEN 21060

21040 IF REP$="N" THEN
21050 PRINT #4,"ORDRE INCOMPRIS;SOYEZ VIGILANT!!"
: GOTO 21020
21060 INPUT #4,"NOM DE LA VARIABLE";VAR$ : ORD$=VA
R$+"$"
21070 IT$=PH$:PH$=ORD$+CHR$(32)+"="+CHR$(32)+IT$ :
GOTO 10030
21080 INPUT #4,"NOM DE LA VARIABLE" ; VAR$ : ORD$=
VAR$ : GOTO 21070

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21500 REM A_SYMBOLE *****
21510 PH$="SYMBOL AFTER "
21520 INPUT#4,"NO DU CODE ASCII PRECEDANT LA PREMI
ERE DEFINITION ";NUM : N$=STR$(NUM):PH$=PH$+N$:GOT
O 10030
22000 REM SYMBOLE *****
22010 PH$="SYMBOL "
22020 INPUT#4,"NO DU CODE ASCII A REDEFINIR"; NUM
: N$=STR$(NUM)
22030 PH$=PH$+N$+" ,"
22040 PRINT#4,"ENTRER LES 8 VALEURS DE DEFINITION"
22050 FOR AO=1 TO 8:INPUT#4,V(AO):VA$(AO)=STR$(V(A
O)):NEXT AO
22060 PH$=PH$+VA$(1)+","+"VA$(2)+","+"VA$(3)+","+"VA$
(4)+","+"VA$(5)+","+"VA$(6)+","+"VA$(7)+","+"VA$(8)
22070 GOTO 10030
22500 REM TANT QUE *****
22510 PH$="WHILE ":RR$=PH$:GOTO 18010
23000 REM ENCORE *****
23010 PH$="WEND" :GOTO 10030
23500 REM FENETRE *****
23510 PH$="WINDOW#" :INPUT#4,"NUMERO DE LA FENETR
E";NUM
23520 N$=STR$(NUM):PH$=PH$+N$+" ,"
23530 PRINT#4,"ENTRER LES 4 VALEURS DE LA FENETRE"
: FOR U=1 TO 4:INPUT#4,V(U) :VA$(U)=STR$(V(U)) :NE
XT U
23540 PH$=PH$+VA$(1)+","+"VA$(2)+","+"VA$(3)+","+"VA$
(4):GOTO 10030
29997 REM *****
29998 REM PRESENTATION
29999 REM *****
30000 PLOT 40, 200:DRAW 40, 310:DRAW 70, 310:DRAW
70, 230:DRAW 70, 220:DRAW 120, 220:DRAW 120, 200:D
RAW 40, 200:PLOT 140, 200:PLOT 140, 310:DRAW 140,
250:DRAW 140, 200:DRAW 220, 200:DRAW 220, 310:DRAW
140, 310
30010 PLOT 160, 290:DRAW 200, 290:DRAW 200, 220:DR
AW 160, 220:DRAW 160, 290:PLOT 240, 310:DRAW 240,
200:DRAW 310, 200:DRAW 320, 210:DRAW 320, 220:DRAW
330, 220:DRAW 330, 230:DRAW 310, 230:DRAW 300, 23
0:DRAW 300, 220
30020 DRAW 310, 220:DRAW 310, 210:DRAW 260, 210:DR
AW 260, 290:DRAW 320, 290:DRAW 330, 300:DRAW 330,
310:DRAW 240, 310:PLOT 370, 310:DRAW 370, 200:DRAW
400, 200:DRAW 400, 310:DRAW 370, 310:PLOT 430, 31
0:DRAW 420, 300
30030 DRAW 420, 210:DRAW 430, 200:DRAW 490, 200:DR
AW 500, 210:DRAW 500, 220:DRAW 490, 220:DRAW 480,
210:DRAW 440, 210:DRAW 430, 220:DRAW 430, 290:DRAW
440, 300:DRAW 490, 300:DRAW 500, 290:DRAW 510, 29
0:DRAW 510, 300
30040 DRAW 500, 310:DRAW 430, 310:PLOT 290, 340:DR
AW 360, 340:DRAW 360, 380:DRAW 290, 380:DRAW 290,
340:PLOT 290, 380:DRAW 300, 390:PLOT 360, 380:DRAW
370, 390:DRAW 370, 350:DRAW 360, 340:PLOT 370, 39
0:DRAW 300, 390
30050 PLOT 300, 180:DRAW 350, 130:DRAW 390, 170:DR
AW 340, 220:DRAW 300, 180:DRAW 270, 150:DRAW 320,
100:DRAW 350, 130:PLOT 350, 100:DRAW 490, 100:DRAW
530, 140:PLOT 350, 100:DRAW 390, 140:DRAW 530, 14
0:DRAW 530, 60
30060 PLOT 490, 100:DRAW 490, 20:DRAW 530, 60:PLOT
350, 100:DRAW 350, 20:DRAW 490, 20
30070 FOR I=1 TO 5000:NEXT: RETURN

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